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(Amended Claims under Article 19)

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Title: SOFTWARE PROVIDING METHOD, SOFTWARE PROVIDING  
SYSTEM, TERMINAL APPARATUS, AND SOFTWARE  
OBTAINING METHOD

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**Claims amended according to PCT Article 19**

What is claimed is:

1. (Amended) A software providing method for a system of  
 which a broadcasting station broadcasts a program along with  
 5 authentication information with which each user is  
 authenticated for a viewing license and a user terminal that  
 is authorized of the viewing license with the authentication  
 information that enables to have the user view the program,  
 the method comprising the steps of:

10 causing the broadcasting station to broadcast  
 software that the user terminal needs to download along with  
 the authentication information of the user; and

causing the user terminal to receive a broadcast along  
 with the software and the authentication information,  
 15 authorize a download license of the software with the  
 received authentication information and download the  
 software when the download license is authorized with the  
 authentication information.

2. The software providing method as set forth in claim  
 20 1,

wherein the software is at least one of application  
 software, an upgraded file of an operating system, and an  
 upgraded file of firmware of the terminal.

3. The software providing method as set forth in claim  
 25 1,

wherein the broadcasting station broadcasts the  
 software so that the user terminal can download the software

without the authentication information when the  
broadcasting station provides free software.

4. The software providing method as set forth in claim  
1,

5 wherein the broadcasting station broadcasts the  
software that the user terminal needs to download along with  
the authentication information of the user and information  
about an address of a software provider, and

10 wherein the user terminal determines whether the  
broadcasting station has broadcast the program along with  
the information of the address of the software provider and  
when the determined result denotes that broadcasting  
station has broadcast the program along with the information  
of the address of the software provider, the user terminal  
15 transmits predetermined information to the address of the  
software provider.

5. The software providing method as set forth in claim  
4,

20 wherein the information of the address of the software  
provider is information about a dial number of a cellular  
phone or a network address.

6. The software providing method as set forth in claim  
4,

25 wherein the predetermined information includes at  
least a piece of information about a storage capacity for  
the software that is downloaded and stored, information  
about a version of the software, information about an

operation state of the software that has been downloaded,  
and information about user's satisfaction for the software  
that has been downloaded.

5 7. (Amended) A software providing method for a system of  
which a broadcasting station broadcasts a program along with  
authentication information with which each user is  
authenticated for a viewing license and a user terminal that  
is authorized of the viewing license with the authentication  
information that enables to have the user view the program,  
10 the method comprising the steps of:

causing the broadcasting station to broadcast the  
authentication information of the user that needs to load  
the software or data; and

15 causing the user terminal to receive a broadcast along  
with the authentication information, authorize a load  
license of the software with the received authentication  
information and load the software or data from a server that  
stores the software or data to use the software or data when  
the load license is authorized with the authentication  
20 information.

8. (Amended) A software providing method for a system of  
which a broadcasting station broadcasts a program along with  
authentication information with which each user is  
authenticated for a viewing license and a user terminal that  
25 is authorized of the viewing license with the authentication  
information that enables to have the user view the program,  
the method comprising the steps of:

causing the broadcasting station to broadcast the authentication information of the user that needs to load the software or data;

causing the user terminal to receive a broadcast along  
5 with the authentication information and authorize a load license of the software with the received authentication information; and

causing an information device connected to the user terminal load the software or data from a server that stores  
10 the software or data and store the software or data to a storage device of the information device when the load license is authorized with the authentication information.

9. (Amended) A software providing method for a system of which a broadcasting station broadcasts a program along with  
15 authentication information with which each user is authenticated for a viewing license and a user terminal that is authorized of the viewing license with the authentication information that enables to have the user view the program, the method comprising the steps of:

20 causing the broadcasting station to broadcast the authentication information of the user that needs to load the software or data; and

causing the user terminal to receive a broadcast along with the authentication information, authorize a load  
25 license of the software with the received authentication information, and causing the user terminal to load the software or data from a removable medium that stores the

software or data when the load license is authorized with the authentication information so that the user terminal can use the software or data.

10. **(Amended)** A software providing method for a system of  
5 which a broadcasting station broadcasts a program along with authentication information with which each user is authenticated for a viewing license and a user terminal that is authorized of the viewing license with the authentication information that enables to have the user view the program,  
10 the method comprising the steps of:

causing the broadcasting station to broadcast the authentication information of the user that needs to load the software or data;

causing the user terminal to receive a broadcast along  
15 with the authentication information and authorize a load license of the software with the received authentication information; and

causing an information device connected to the user terminal to load the software or data from a removable medium  
20 that stores the software or data when the load license is authorized with the authentication information and store the software or data to a storage device of the information device.

11. **(Amended)** A software providing system of which a  
25 broadcasting station broadcasts a program along with authentication information with which each user is authenticated for a viewing license and a user terminal that

is authorized of the viewing license with the authentication information that enables to have the user view the program.

wherein the broadcasting station comprises:

5 broadcasting means for broadcasting software that the user terminal needs to download along with the authentication information of the user, and

wherein the user terminal comprises:

receiving means for receiving a broadcast program along with the software and the authentication information;  
10 authorizing means for authorizing a download license of the received software with the authentication information; and

downloading means for downloading the software when the download license is authorized with the authentication  
15 information.

12. The software providing system as set forth in claim 11,

wherein the software is at least one of application software, an upgraded file of an operating system, and an  
20 upgraded file of firmware of the terminal.

13. The software providing system as set forth in claim 11,

wherein the broadcasting station further comprises:  
means for broadcasting the software so that the user  
25 terminal can download the software without the authentication information when the broadcasting station provides free software.

14. The software providing system as set forth in claim  
11,

wherein the broadcasting means broadcasts the  
software that the user terminal needs to download along with  
5 the authentication information of the user and information  
about an address of a software provider, and

wherein the user terminal further comprises:

judging means for judging whether the program has been  
broadcast along with the information of the address of the  
10 software provider, and

transmitting means transmits predetermined  
information to the address of the software provider when  
the determined result denotes that the program has been  
broadcast along with the information of the address of the  
15 software provider.

15. The software providing system as set forth in claim  
14,

wherein the information of the address of the software  
provider is information about a dial number of a cellular  
20 phone or a network address.

16. The software providing system as set forth in claim  
14,

wherein the predetermined information includes at  
least a piece of information about a storage capacity for  
25 the software that is downloaded and stored, information  
about a version of the software, information about an  
operation state of the software that has been downloaded,



and information about user's satisfaction for the software that has been downloaded.

17. **(Amended)** A terminal apparatus that receives a program along with authentication information with which each user is authenticated for a viewing license from a broadcasting station and capable of reproducing the program when the viewing license is authorized with the authentication information, comprising:

storing means for pre-storing the authentication information;

receiving means for receiving a broadcast along with software and the authentication information from the broadcasting station;

authorizing means for authorizing the download license by collating the authentication information stored in the storing means with the authentication information received by the receiving means; and

downloading means for downloading the software received by the receiving means when the download license is authorized by the authorizing means.

18. The terminal apparatus as set forth in claim 17, wherein the software is at least one of application software, an upgraded file of an operating system, and an upgraded file of firmware of the terminal apparatus.

19. The terminal apparatus as set forth in claim 17, wherein the receiving means receives the broadcast program along with the software, the authentication

information, and information about an address of a software provider, and

wherein the terminal apparatus further comprises:

judging means for judging the broadcast program has  
5 been received along with the information about the address  
of the software provider; and

transmitting means for transmitting predetermined  
information to the address of the software provider when  
the determined result denotes that the broadcast program  
10 has been received along with the information about the  
address of the software provider.

20. The terminal apparatus as set forth in claim 19,  
wherein the information of the address of the software  
provider is information about a dial number of a cellular  
15 phone or a network address.

21. The terminal apparatus as set forth in claim 14,  
wherein the predetermined information includes at  
least a piece of information about a storage capacity for  
the software that is downloaded and stored, information  
20 about a version of the software, information about an  
operation state of the software that has been downloaded,  
and information about user's satisfaction for the software  
that has been downloaded.

22. **(Amended)** A terminal apparatus that receives a program  
25 along with authentication information with which each user  
is authenticated for a viewing license from a broadcasting  
station and capable of reproducing the program when the

viewing license is authorized with the authentication information, comprising:

storing means for pre-storing the authentication information;

5 receiving means for receiving a broadcast along with the authentication information from the broadcasting station;

authorizing means for authorizing the download license by collating the authentication information stored  
10 in the storing means with the authentication information received by the receiving means; and

loading means for loading software or data from a server that stores the software or data when the download license is authorized by the authorizing means.

15 23. **(Amended)** A terminal apparatus that receives a program along with authentication information with which each user is authenticated for a viewing license from a broadcasting station and capable of reproducing the program when the viewing license is authorized with the authentication  
20 information, comprising:

storing means for pre-storing the authentication information;

receiving means for receiving a broadcast along with the authentication information from the broadcasting  
25 station;

authorizing means for authorizing the download license by collating the authentication information stored

in the storing means with the authentication information received by the receiving means; and

loading means for loading software or data from a removable medium that stores the software or data when the load license is authorized with the authentication information.

24. **(Amended)** A method of obtaining software with a terminal apparatus that receives a program along with authentication information with which each user is authenticated for a viewing license from a broadcasting station and capable of reproducing the program when the viewing license is authorized with the authentication information, the method comprising the steps of:

pre-storing the authentication information;  
receiving a broadcast along with software and the authentication information from the broadcasting station;  
authorizing a download license of the software or data by collating the stored authentication information with the received authentication information; and  
downloading the software or data when the download license is authorized.

25. **(Amended)** A method of obtaining software with a terminal apparatus that receives a program along with authentication information with which each user is authenticated for a viewing license from a broadcasting station and capable of reproducing the program when the viewing license is authorized with the authentication information, the method

comprising the steps of:

pre-storing the authentication information;

receiving a broadcast along with the authentication  
information from the broadcasting station;

5           authorizing a download license of the software or data  
by collating the stored authentication information with the  
received authentication information; and

loading the software or data from a server that stores  
the software or data when the download license is authorized.

10       26. **(Amended)** A method of obtaining software with a terminal  
apparatus that receives a program along with authentication  
information with which each user is authenticated for a  
viewing license from a broadcasting station and capable of  
reproducing the program when the viewing license is  
15       authorized with the authentication information, the method  
comprising the steps of:

pre-storing the authentication information;

receiving a broadcast along with the authentication  
information from the broadcasting station;

20           authorizing a download license of the software or data  
by collating the stored authentication information with the  
received authentication information; and

loading the software or data from a removable medium  
that stores the software or data when the load license is  
25       authorized.